

Patent [19]

[11] Patent Number: 10192654
[45] Date of Patent: Jul. 28, 1998

[54] AIR PURIFIER

[21] Appl. No.: 09017520 JP09017520 JP

[22] Filed: Jan. 14, 1997

[51] Int. Cl.⁶ B01D05386; B01D05386; A61L00918; B01J02106; B01J03502; H01L03104

[57] ABSTRACT

PROBLEM TO BE SOLVED: To provide an air purifier which can be placed compactly in the interior of housed and automobile, and is small and light, to easily carry out deodorization of the interiors and compartments, adsorb malodor by an deodorant agent, prolong the life of the deodorant by decomposition, and remarkably improve deodorization effect.

SOLUTION: A solar battery 20 is installed in the outside part of a container main body 12. The solar battery 20 is electrically connected with a motor installed in a cover body 16 of the container main body 12. A deodorant agent is produced from a photocatalytic honeycomb 45. The photocatalytic honeycomb 45 bears an inorganic adsorbent to which a titanium oxide photocatalyst adheres and malodor adsorbed on the inorganic adsorbent is decomposed by catalytic reaction of the titanium oxide photocatalyst.

* * * * *